

Title (en)
Inductive device.

Title (de)
Induktive Vorrichtung.

Title (fr)
Dispositif inductif.

Publication
EP 0414315 B1 19931027 (EN)

Application
EP 90202228 A 19900820

Priority
NL 8902111 A 19890822

Abstract (en)
[origin: EP0414315A1] The device comprises a soft magnetic core which consists of two E-shaped core halves (1), each of which comprises three parallel limbs (5, 7) which are interconnected by a yoke (9). The core halves (1) are arranged against one another by way of the free ends of the limbs (5, 7), a coil former (3) being provided around the central limbs (7). The outer limbs (5) extend between an upper boundary plane (25) and a lower boundary plane (27), which planes extend parallel to the longitudinal directions of the limbs (5, 7) and the yokes (9), the distance between said planes being determined by the height (x) of the outer limbs (5) which is greater than the height (y) of the central limbs (7). The lower boundary of the central limb (7) is situated above or below the lower boundary plane (27) so far that the symmetry plane (31) of the central limbs (7) extending parallel to the boundary planes (25, 27), is situated halfway between the upper boundary plane (25) and a plane (33) which extends parallel to the boundary planes and which is situated from 0.1 to 1 mm above the lower boundary of the coil former (3). A winding (29) provided on the coil former (3) occupies exactly the space available at the upper side and the lower side, thus minimizing the height of the transformer.

IPC 1-7
H01F 17/04; **H01F 27/24**

IPC 8 full level
H01F 17/04 (2006.01); **H01F 27/255** (2006.01); **H01F 27/28** (2006.01)

CPC (source: EP KR US)
H01F 17/00 (2013.01 - KR); **H01F 17/041** (2013.01 - EP US); **H01F 27/255** (2013.01 - EP US)

Citation (examination)
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Designated contracting state (EPC)
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